

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015856.D
 Acq On : 06 Oct 2023 12:36
 Operator : SY/MD
 Sample : VY1006SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1006SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/09/2023
 Supervised By :Semsettin Yesilyurt 10/09/2023

Quant Time: Oct 07 07:25:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 05:54:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	189166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	314549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	287213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	99081	53.238	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.480%			
35) Dibromofluoromethane	7.716	113	94000	52.428	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.179	98	319133	54.823	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.640%			
62) 4-Bromofluorobenzene	12.483	95	122629	51.537	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	15994	18.385	ug/l	97
3) Chloromethane	2.107	50	16424	16.988	ug/l	96
4) Vinyl Chloride	2.247	62	20626	16.939	ug/l	99
5) Bromomethane	2.644	94	14866	16.608	ug/l	95
6) Chloroethane	2.784	64	13747	15.806	ug/l	90
7) Trichlorofluoromethane	3.113	101	44046	18.644	ug/l	99
8) Diethyl Ether	3.528	74	19601	19.030	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	29176	18.947	ug/l	96
10) Methyl Iodide	4.082	142	21157	17.225	ug/l	94
11) Tert butyl alcohol	4.991	59	42755m	96.763	ug/l	
12) 1,1-Dichloroethene	3.863	96	22589	18.343	ug/l	88
13) Acrolein	3.735	56	15419	107.389	ug/l	99
14) Allyl chloride	4.473	41	43221	18.616	ug/l	92
15) Acrylonitrile	5.168	53	84555	105.240	ug/l	98
16) Acetone	3.967	43	118130	122.515	ug/l	90
17) Carbon Disulfide	4.186	76	25022	15.290	ug/l	97
18) Methyl Acetate	4.485	43	61176	19.495	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	113716	19.537	ug/l	99
20) Methylene Chloride	4.710	84	46121	18.075	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	25834	18.212	ug/l	86
22) Diisopropyl ether	6.125	45	118150	19.598	ug/l	92
23) Vinyl Acetate	6.058	43	363714	99.676	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	61377	19.172	ug/l	97
25) 2-Butanone	6.990	43	152537	115.009	ug/l	97
26) 2,2-Dichloropropane	6.978	77	59669	20.057	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	38461	18.756	ug/l	97
28) Bromochloromethane	7.332	49	37990	20.292	ug/l	93
29) Tetrahydrofuran	7.350	42	79166	106.972	ug/l	93
30) Chloroform	7.503	83	69689	19.459	ug/l	97
31) Cyclohexane	7.789	56	35783	17.058	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	56561	19.319	ug/l	98
36) 1,1-Dichloropropene	7.917	75	39211	18.331	ug/l	98
37) Ethyl Acetate	7.076	43	52261	21.833	ug/l	97
38) Carbon Tetrachloride	7.899	117	47172	18.755	ug/l	99
39) Methylcyclohexane	9.185	83	39049	17.070	ug/l	92
40) Benzene	8.161	78	126737	18.882	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	24960	21.781	ug/l	95
42) 1,2-Dichloroethane	8.234	62	45841	18.968	ug/l	92
43) Isopropyl Acetate	8.277	43	82533	20.032	ug/l	98
44) Trichloroethene	8.941	130	38217	19.455	ug/l	94
45) 1,2-Dichloropropane	9.216	63	38574	19.430	ug/l	98
46) Dibromomethane	9.307	93	24276	19.126	ug/l	96
47) Bromodichloromethane	9.496	83	57450	19.500	ug/l	99
48) Methyl methacrylate	9.295	41	35652	19.813	ug/l	90
49) 1,4-Dioxane	9.319	88	13435	472.539	ug/l #	57
51) 4-Methyl-2-Pentanone	10.069	43	276302	107.201	ug/l	92
52) Toluene	10.246	92	84472	19.235	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	58756	19.007	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	62808	19.139	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	39240	19.679	ug/l	98
56) Ethyl methacrylate	10.514	69	56048	19.386	ug/l #	86
57) 1,3-Dichloropropane	10.789	76	63034	19.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	180624	107.220	ug/l	95
59) 2-Hexanone	10.831	43	225784	112.891	ug/l	90
60) Dibromochloromethane	10.984	129	45507	19.759	ug/l	98
61) 1,2-Dibromoethane	11.087	107	37130	19.925	ug/l	99
64) Tetrachloroethene	10.721	164	40439	20.031	ug/l	97
65) Chlorobenzene	11.514	112	101707	19.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	42407	19.418	ug/l	98
67) Ethyl Benzene	11.593	91	175361	19.289	ug/l	99
68) m/p-Xylenes	11.703	106	131997	38.195	ug/l	97
69) o-Xylene	12.032	106	65824	19.149	ug/l	98
70) Styrene	12.044	104	116419	19.400	ug/l	97
71) Bromoform	12.209	173	32645	20.047	ug/l #	99
73) Isopropylbenzene	12.331	105	181850	19.410	ug/l	100
74) N-amyl acetate	12.142	43	73634	20.339	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	56931	20.571	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	45291m	21.154	ug/l	
77) Bromobenzene	12.611	156	45025	19.427	ug/l	92
78) n-propylbenzene	12.672	91	220801	19.676	ug/l	100
79) 2-Chlorotoluene	12.758	91	127376	19.711	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	153397	19.646	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	18826	20.355	ug/l	94
82) 4-Chlorotoluene	12.855	91	134696	19.915	ug/l	99
83) tert-Butylbenzene	13.075	119	140134	19.635	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	157423	20.069	ug/l	100
85) sec-Butylbenzene	13.251	105	209900	20.046	ug/l	100
86) p-Isopropyltoluene	13.367	119	174040	19.960	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	91949	19.814	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	93458	19.919	ug/l	99
89) n-Butylbenzene	13.697	91	163203	19.670	ug/l	97
90) Hexachloroethane	13.959	117	33830	19.877	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	86695	19.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11938	21.498	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	55453	19.495	ug/l	98
94) Hexachlorobutadiene	15.111	225	28550	19.263	ug/l	99
95) Naphthalene	15.233	128	152103	20.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51919	19.481	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

